

6377558

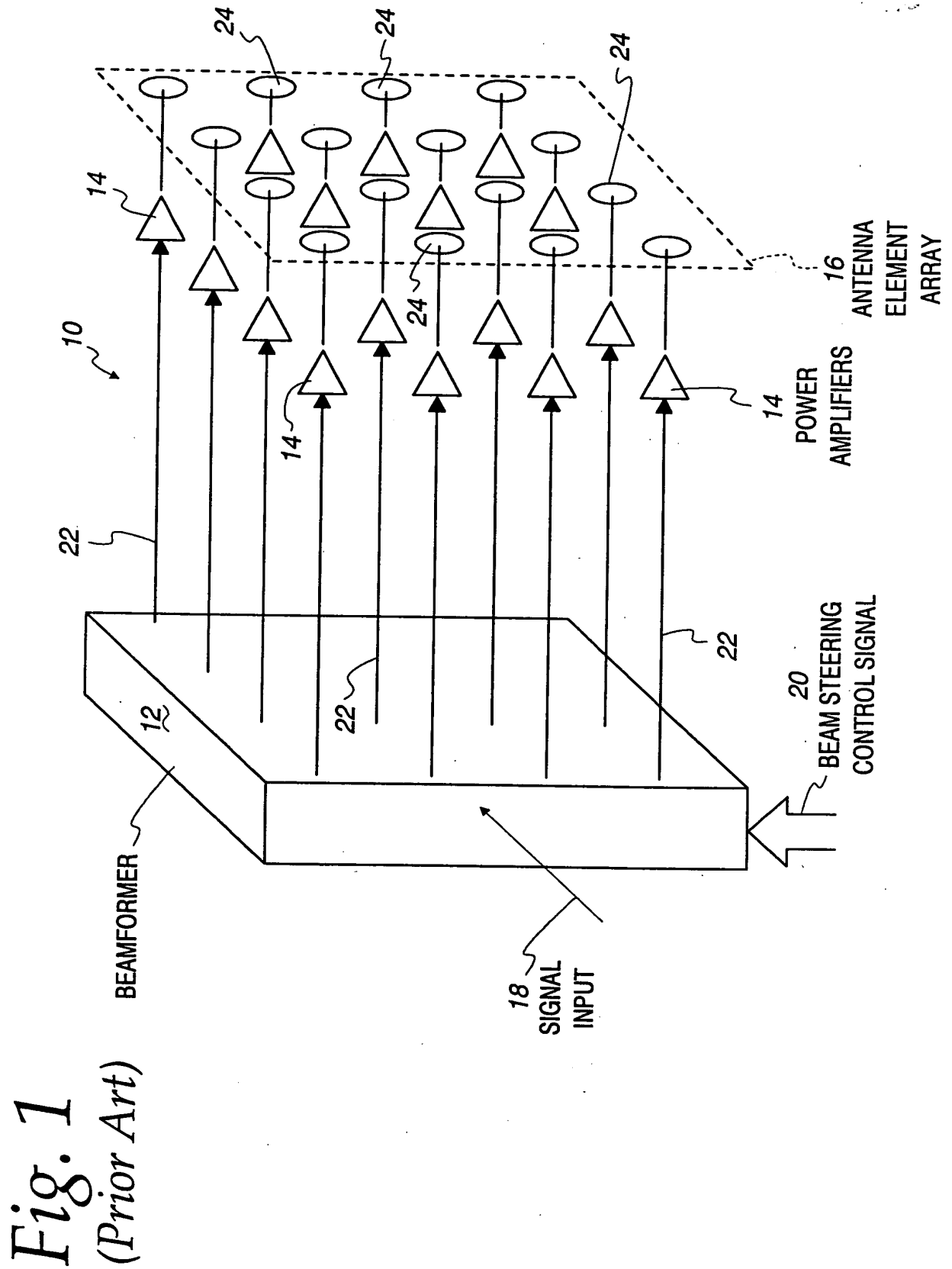


Fig. 2
 (Prior Art)

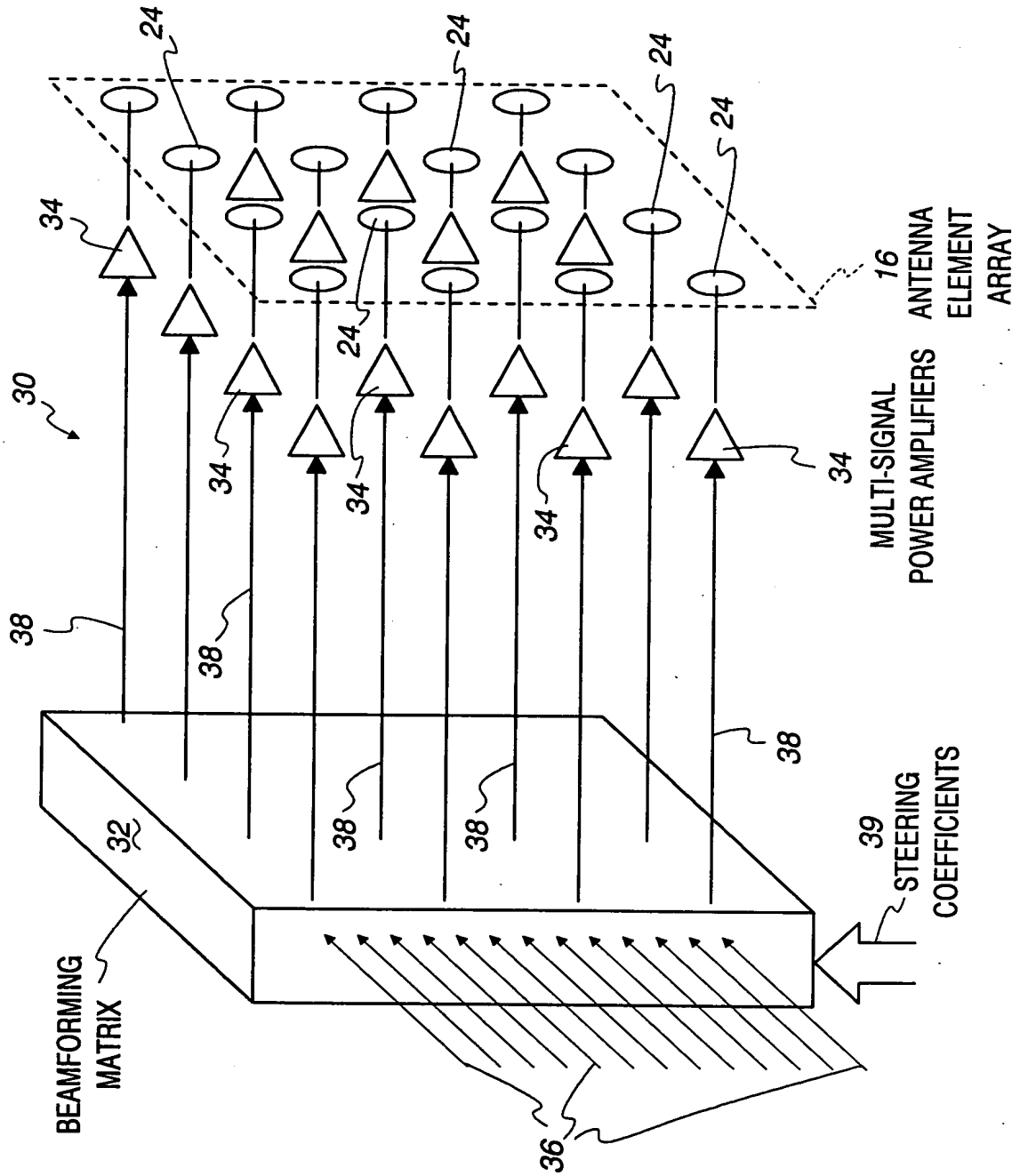
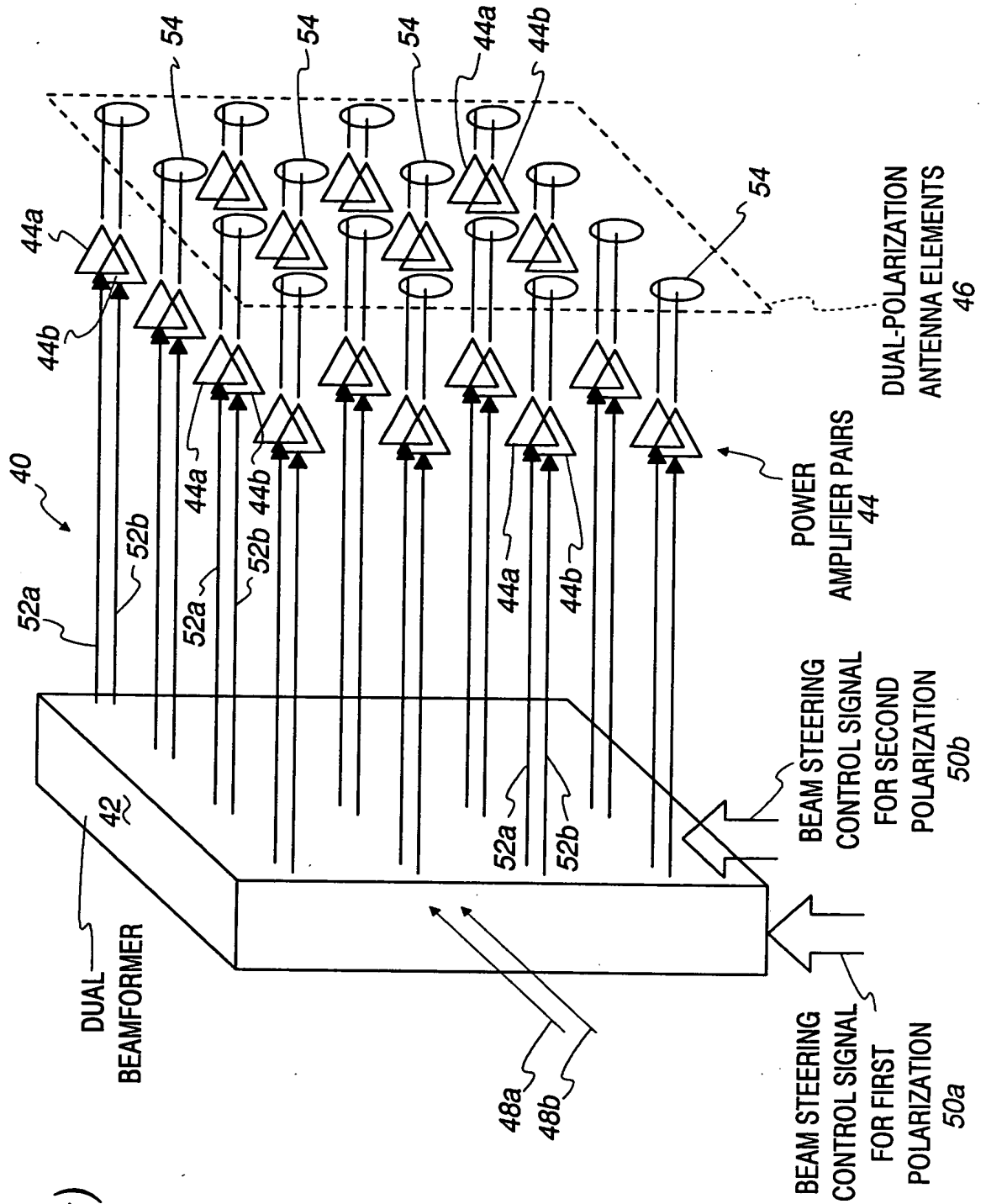


Fig. 3
(Prior Art)



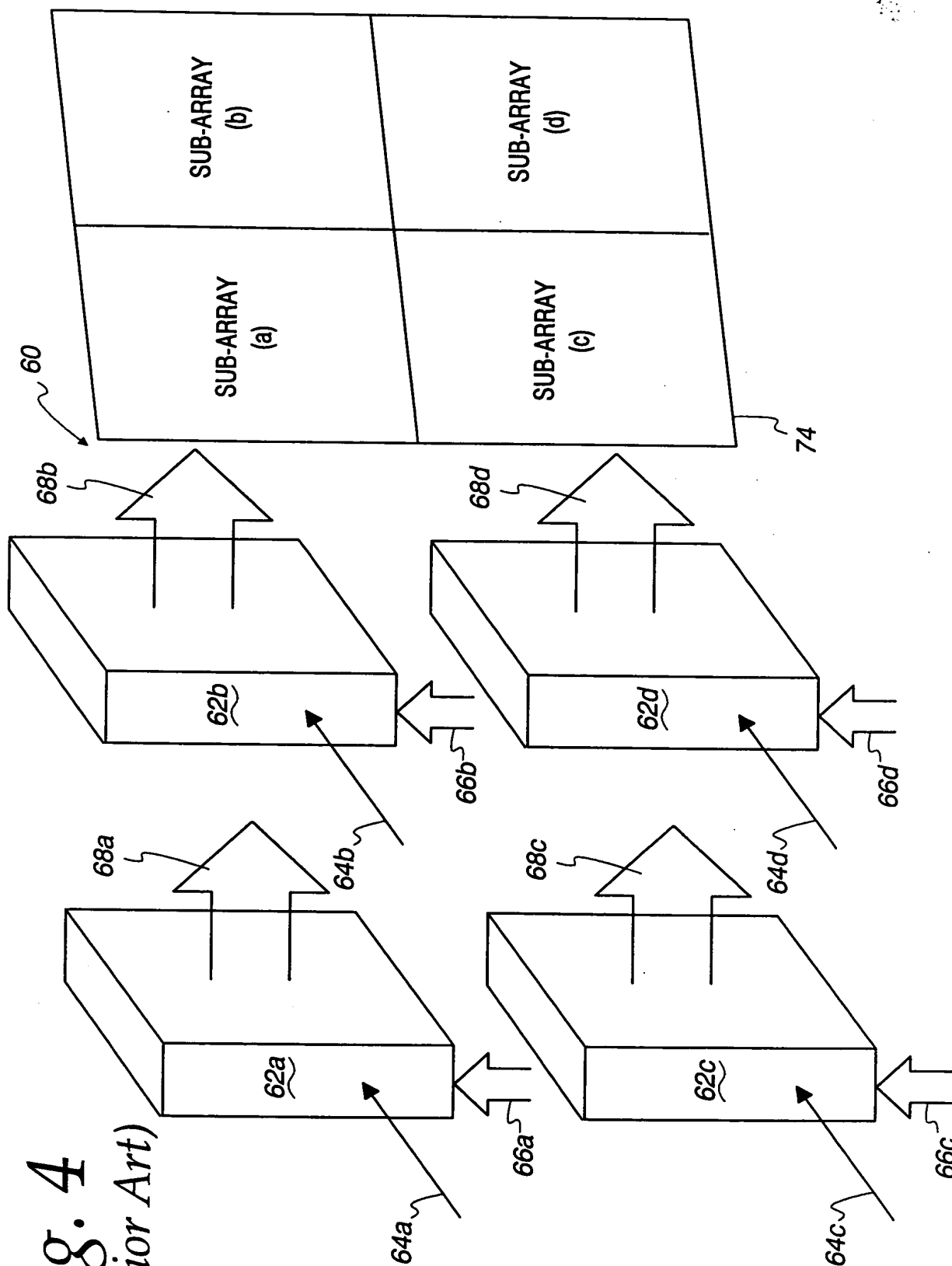


Fig. 4
(Prior Art)

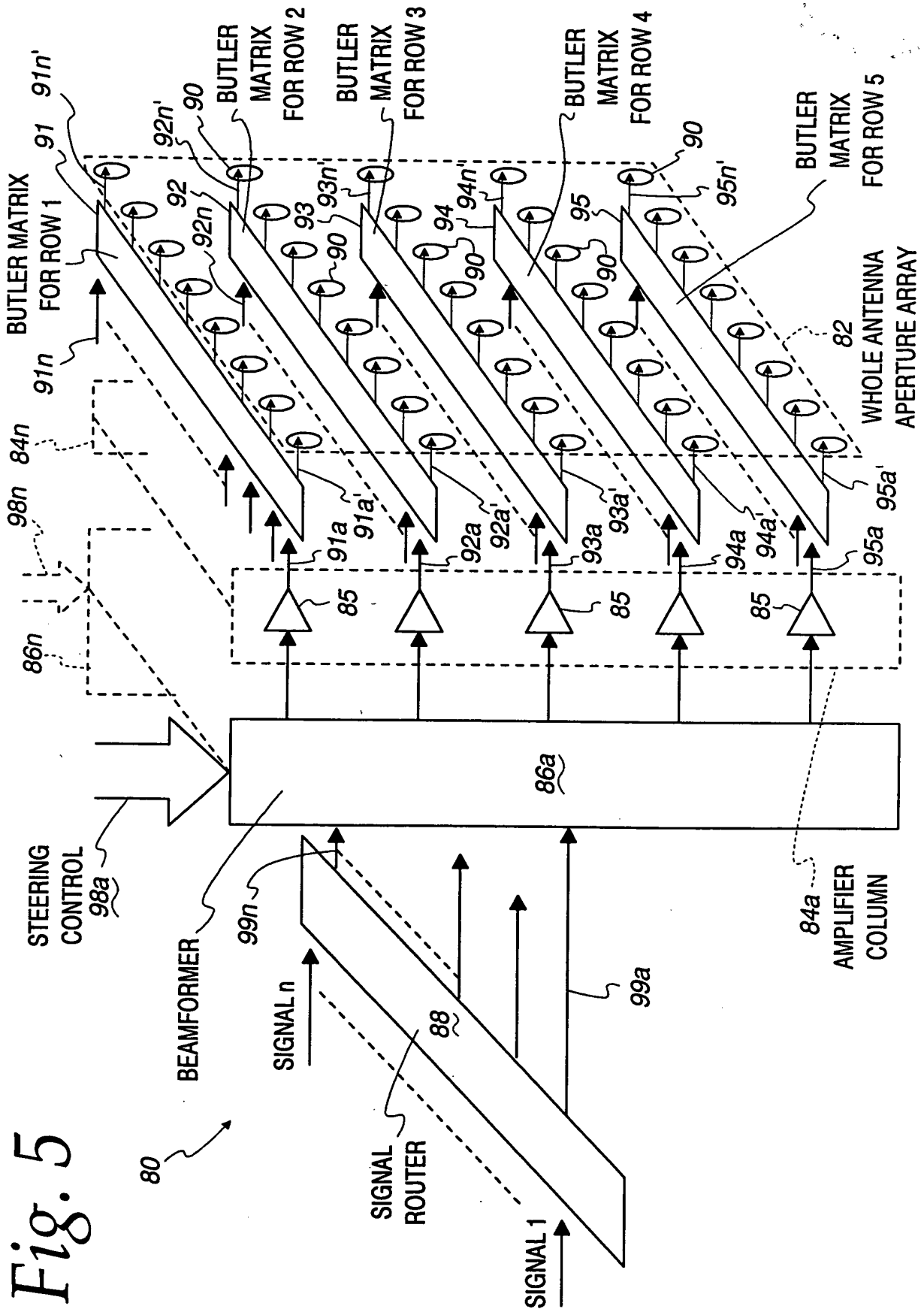
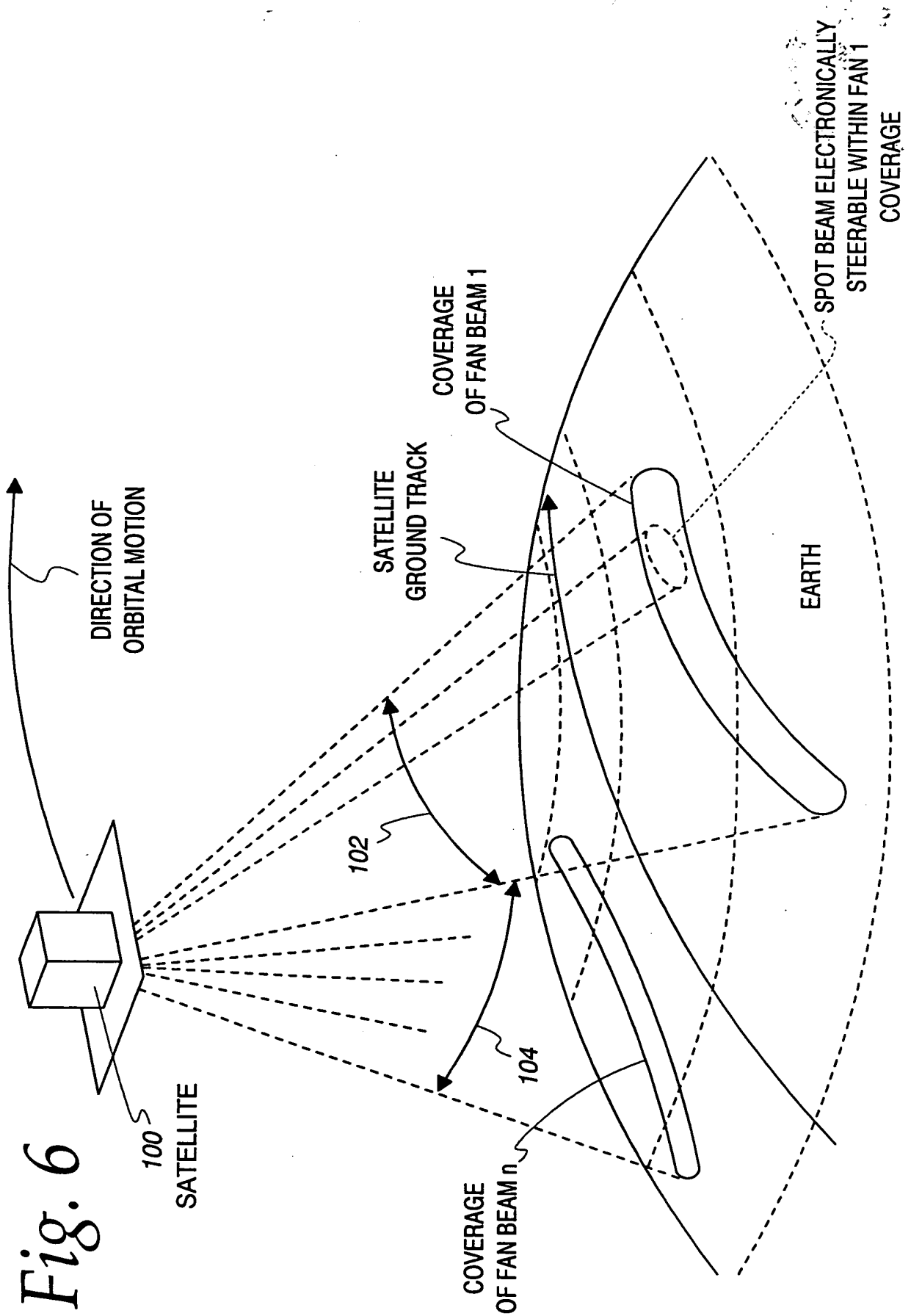


Fig. 5



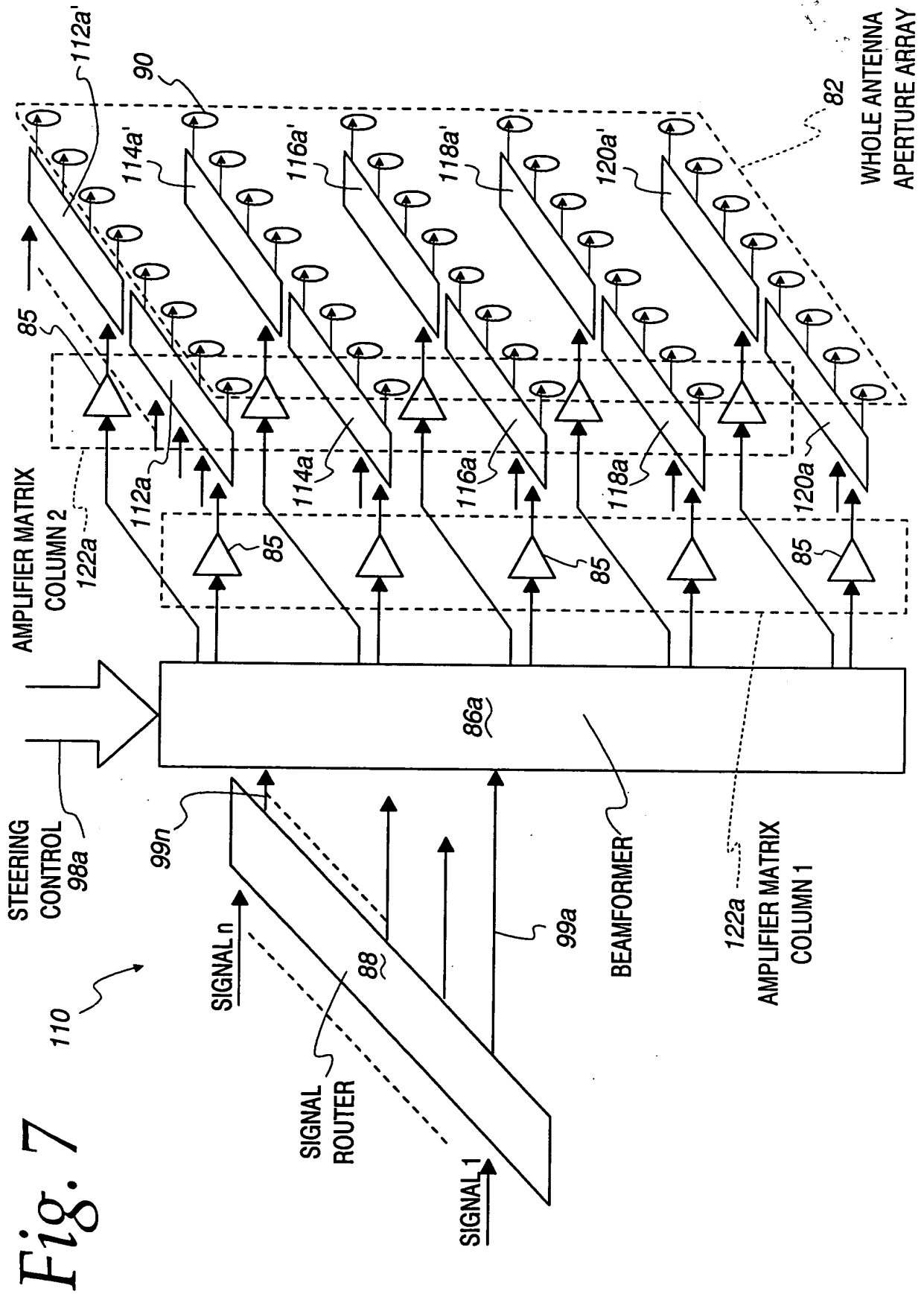


Fig. 8

STEERING CONTROL 98a

130

134a

86a

99a

88

SIGNAL ROUTER

SIGNAL 1

SIGNAL n

99n

85

132a

132b

132c

132d

82

90

2

4

3

1

BEAMFORMER

TWO-DIMENSIONAL BUTLER MATRICES

WHOLE ANTENNA APERTURE ARRAY

Fig. 9

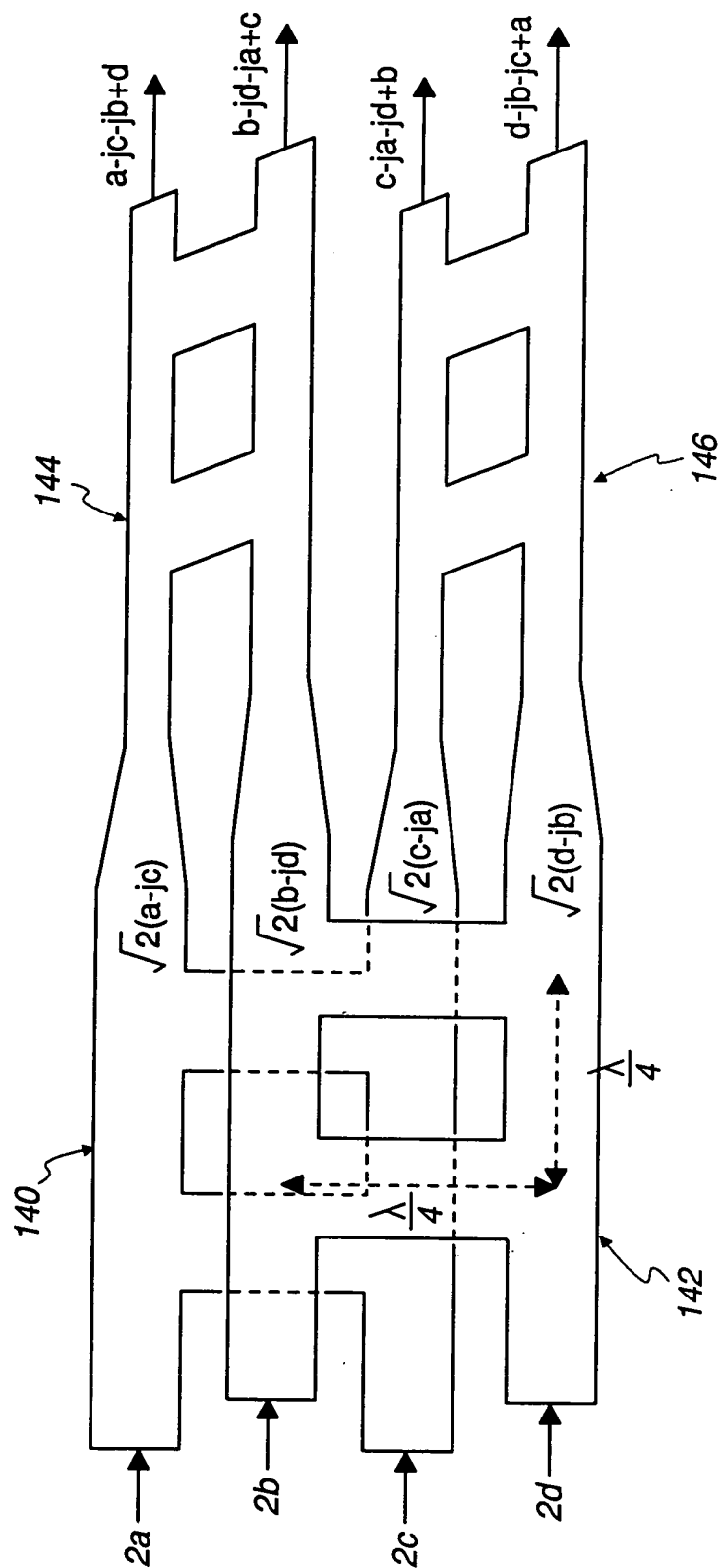


Fig. 10a

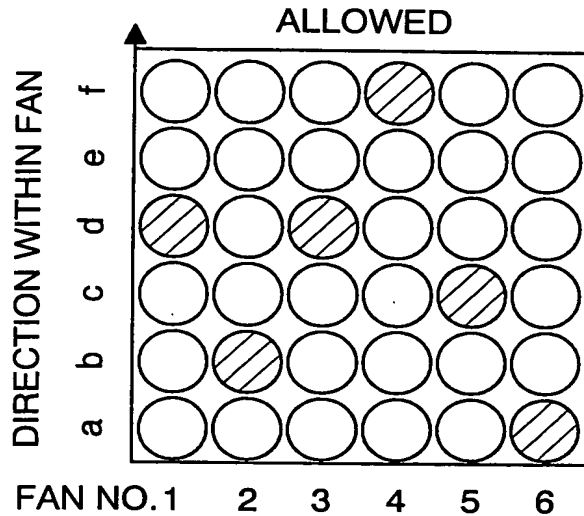


Fig. 10b

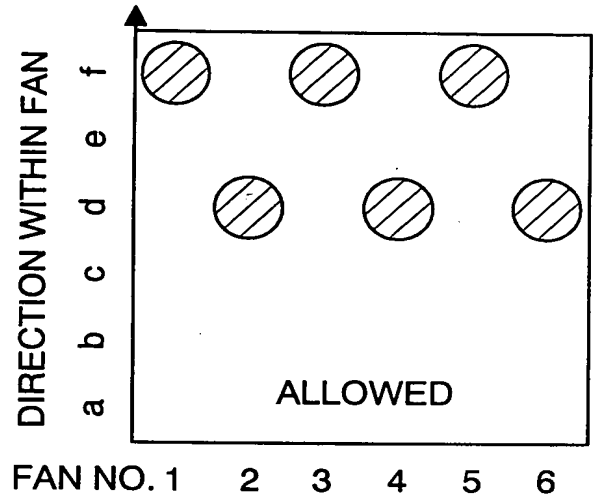


Fig. 10c

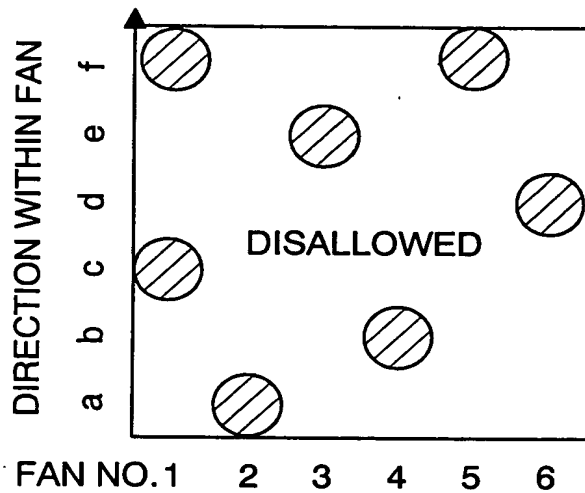
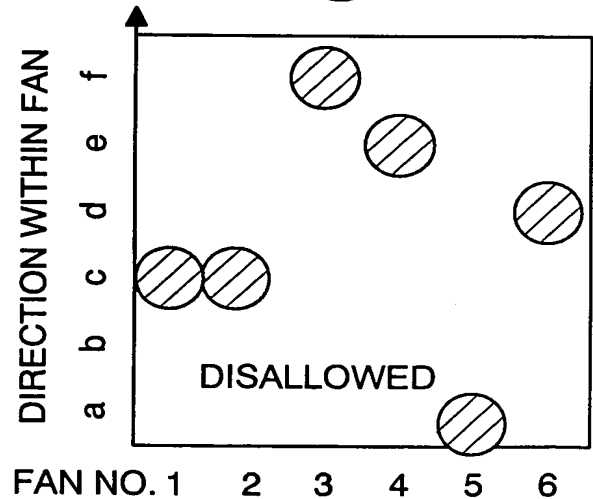


Fig. 10d



DIRECTION WITHIN FAN

FAN NO. 1 2 3 4 5 6

Fig. 12

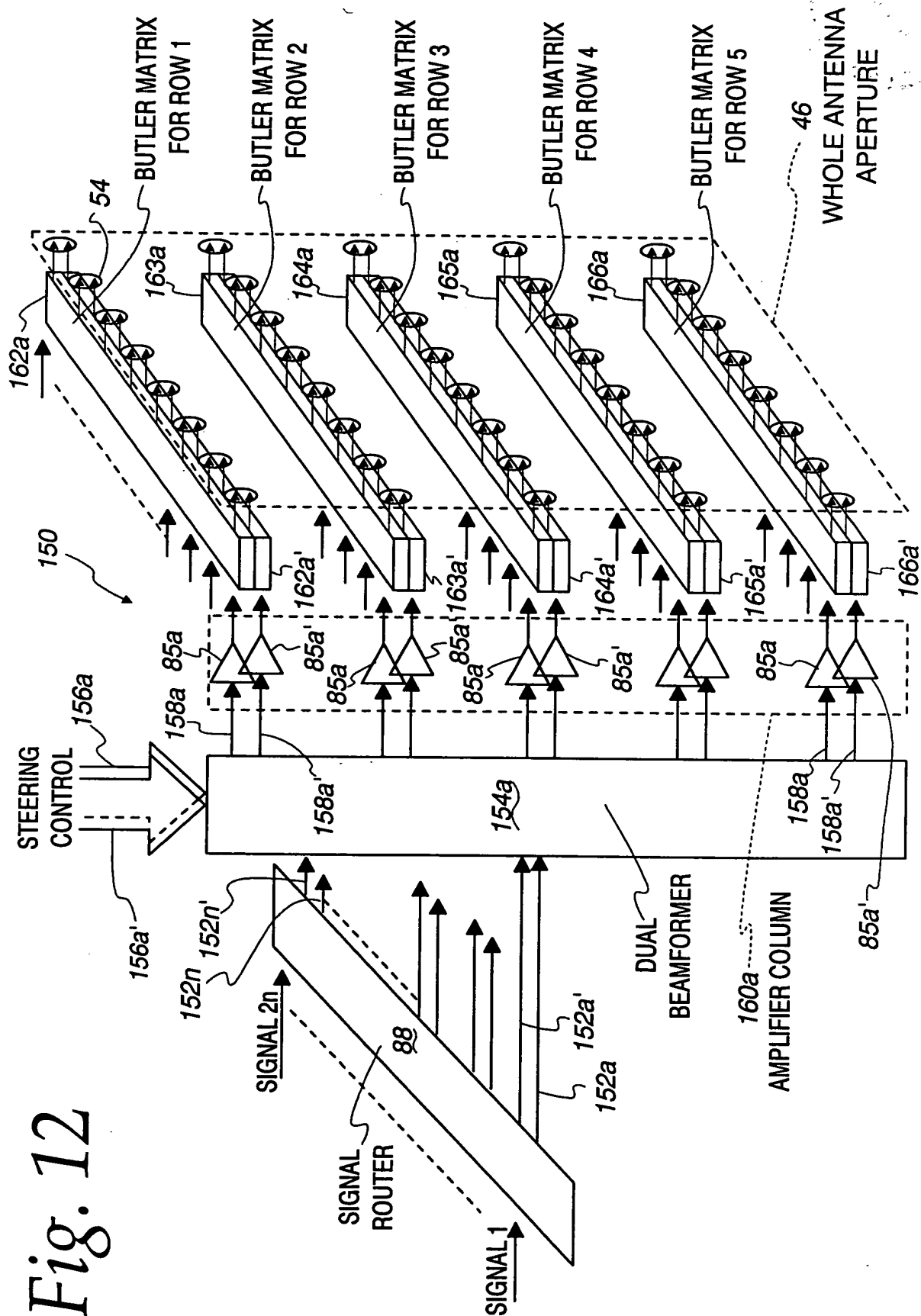


Fig. 13

